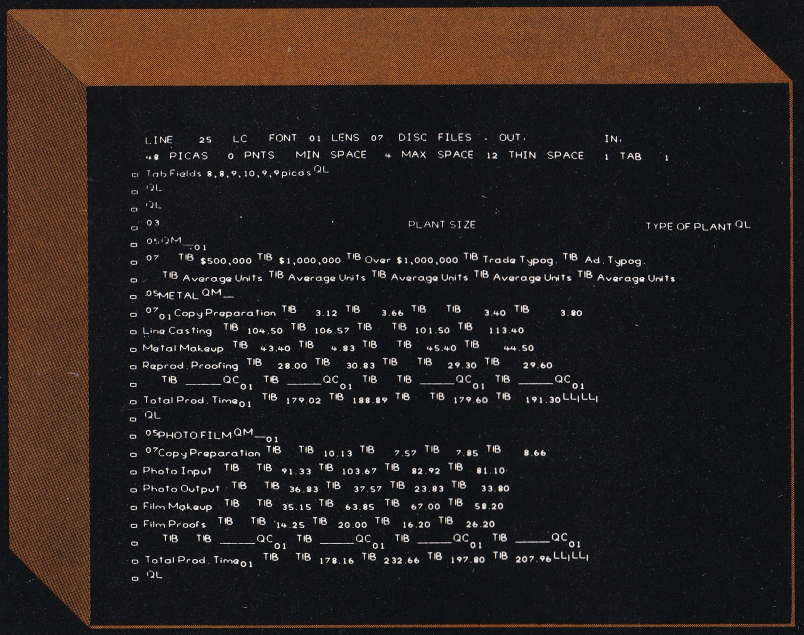
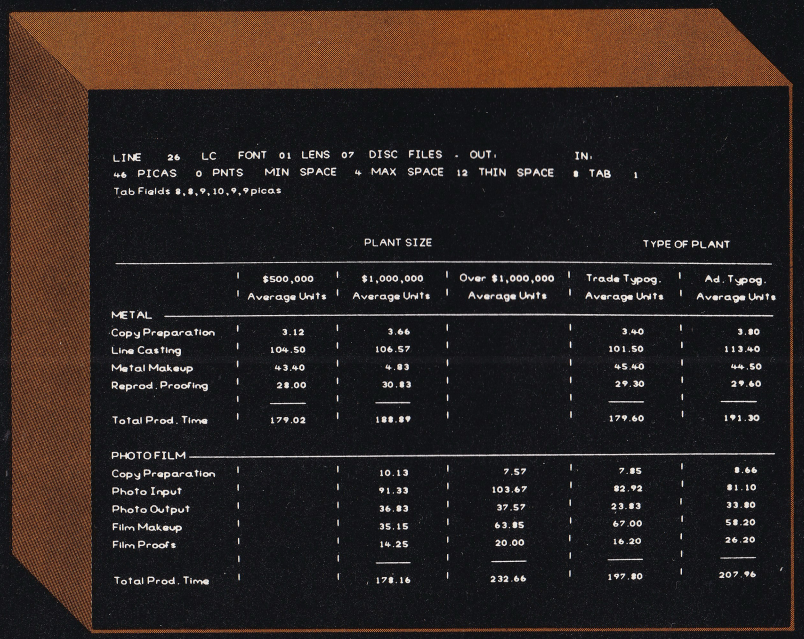

LINE 25 LC FONT 01 LENS 07 DISC FILES . OUT. IN.
48 PICAS 0 PNTS MIN SPACE 4 MAX SPACE 12 THIN SPACE 1 TAB 1
Tab Fields 8,8,9,10,9,9picas QL
QL
QL
03
PLANT SIZE
TYPE OF PLANT QL
05 QM 01
07 TIB $500,000 TIB $1,000,000 TIB Over $1,000,000 TIB Trade Typog. TIB Ad. Typog.
TIB Average Units TIB Average Units TIB Average Units TIB Average Units TIB Average Units
05 METAL QM
07 01 Copy Preparation TIB 3.12 TIB 3.66 TIB TIB 3.40 TIB 3.80
Line Casting TIB 104.50 TIB 106.57 TIB TIB 101.50 TIB 113.40
Metal Makeup TIB 43.40 TIB 4.83 TIB TIB 45.40 TIB 44.50
Reprod. Proofing TIB 28.00 TIB 30.83 TIB TIB 29.30 TIB 29.60
TIB _____QC 01 TIB _____QC 01 TIB TIB _____QC 01 TIB _____QC 01
Total Prod. Time 01 TIB 179.02 TIB 188.89 TIB TIB 179.60 TIB 191.30 LL LL
QL
05 PHOTO FILM QM 01
07 Copy Preparation TIB TIB 10.13 TIB 7.57 TIB 7.85 TIB 8.66
Photo Input TIB TIB 91.33 TIB 103.67 TIB 82.92 TIB 81.10
Photo Output TIB TIB 36.83 TIB 37.57 TIB 23.83 TIB 33.80
Film Makeup TIB TIB 35.15 TIB 63.85 TIB 67.00 TIB 58.20
Film Proofs TIB TIB 14.25 TIB 20.00 TIB 16.20 TIB 26.20
TIB TIB _____QC 01 TIB _____QC 01 TIB _____QC 01 TIB _____QC 01
Total Prod. Time 01 TIB TIB 178.16 TIB 232.66 TIB 197.80 TIB 207.96 LL LL
QL

IMLAC®

INTERACTIVE INTELLIGENCE

Introducing...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46 PICAS 0 PNTS MIN SPACE 4 MAX SPACE 12 THIN SPACE 8 TAB 1
Tab Fields 8,8,9,10,9,9picas
PLANT SIZE
TYPE OF PLANT
$500,000 Average Units
$1,000,000 Average Units
Over $1,000,000 Average Units
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METAL
Copy Preparation 3.12 3.66 3.40 3.80
Line Casting 104.50 106.57 101.50 113.40
Metal Makeup 43.40 4.83 45.40 44.50
Reprod. Proofing 28.00 30.83 29.30 29.60
Total Prod. Time 179.02 188.89 179.60 191.30
PHOTO FILM
Copy Preparation 10.13 7.57 7.85 8.66
Photo Input 91.33 103.67 82.92 81.10
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Film Makeup 35.15 63.85 67.00 58.20
Film Proofs 14.25 20.00 16.20 26.20
Total Prod. Time 178.16 232.66 197.80 207.96

The Total Disc Computer Composition System

IMLAC® Composer 1500

A FULL RANGE COMPUTER COMPOSITION SYSTEM FOR BOTH HIGH VOLUME AND CREATIVE, INTERACTIVE TYPE PRODUCTION

IMLAC COMPOSER systems use an interactive computer display with a variable character set feature which permits the text to be viewed on the monitor in the closest possible approximation to its appearance in the final copy.

This feature, coupled with the ability to store large volumes of text and format information in the COMPOSER-1500's Dual Platter Disc Drive, for the first time, offers graphic arts users some powerful advantages. A few of these are summarized in this folder.

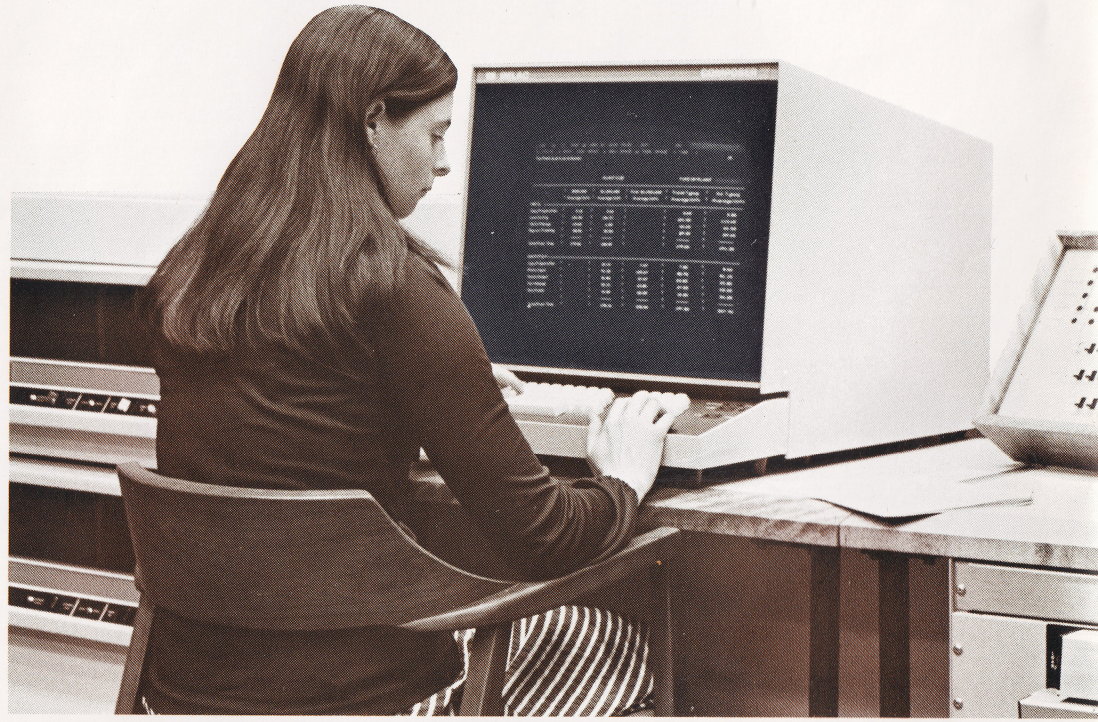
With the IMLAC COMPOSER-1500 system you capture the key-strokes once and keep material at-the-ready so that subsequent changes can be made directly, accurately and quickly, *with full visual verification of every step in the production cycle.*

You represent directly on the screen monitor, composition as you wish to see it — with proportional spacing, ragging, indents, runarounds, quadding, tabulation, hyphenation, justification and many other typographic aspects. Type commands which cannot be directly represented on the display, such as font selection and larger type sizes, are clearly indicated in the information portion of the screen.

Original copy and revisions, however considerable, may also be keyed directly to disc with the COMPOSER keyboard. There's a significant savings in copy markup time and also far less chance of introducing new errors as a result of unnecessary re-keyboarding.

COMPOSER-1500 SYSTEMS PROVIDE

- VISUAL CONTROL of every step in type production and text processing
- ELIMINATION OF UNNECESSARY KEYBOARDING and re-keyboarding for error-free copy
- MASS TEXT STORAGE for catalogs, books, newspaper stories, etc.
- FORMAT and TEXT INSERTION
- AUTOMATIC, HIGHLY ACCURATE HYPHENATION and JUSTIFICATION



COMPOSER-1500 SYSTEMS INCLUDE — a 16-bit Mini-Computer (16,384 words, 32K bytes), Core Memory expandable to 32K words, 2 million character Disc Storage Unit, Hyphenation-Justification Software for general type composition, Format Storage, and Interactive Tabular Composition program. A single Operator Work Station (others optional) provides a 17″ Display Monitor and a fully Programmable Keyboard. Also supplied — a set of input/output compatible codes for approved phototypesetters and keyboard.

COMPATIBLE with most phototypesetters and keyboards, COMPOSER systems are being used with such equipment as Harris-Intertype, Mergenthaler, A-M Varityper, Compugraphic, Alphatype, Photon, Star-Graphics and others.

A VARIETY OF INPUT DEVICES including OCR, Magnetic Tape, Magnetic Cassettes and Paper Tape may also be used with COMPOSER-1500.

from start to finish—thruput is faster

Having captured the text with initial keystrokes, you can now display all or whatever portions you need and can effect necessary changes without re-keyboarding to get to second, third or subsequent versions. And without danger of losing or destroying your original copy.

Work flows significantly faster with COMPOSER-1500 because you're working in a two-dimensional manner and have immediate verification of your inputs and corrections. Here's a partial list of what you see directly on the large display screen:

- Upper and Lower Case
- Runarounds
- Quadding (left, center, right)
- Tabulation
- Cumulative Indents
- Justification — with minimum/maximum word and interletter spacing
- Hyphenation
- Line and Tab Field Measure
- Cumulative Vertical Lead Count (optional)
- Cumulative Line Numbering
- Auto Leadering

STORED FORMATS

COMPOSER-1500 provides up to 100 formats per job, each with as many as 256 characters which let you define type size, font, quadding and a number of typographic variables. You define your own formats and they are permanently stored on disc until you either redefine or discard them.

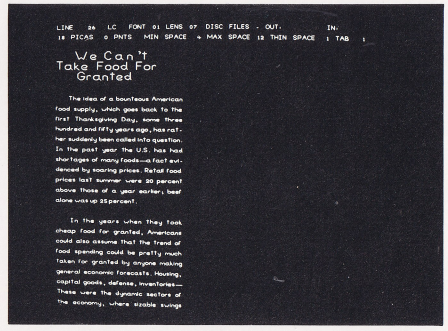
Another formatting feature is the storage of character strings which can be inserted throughout the text automatically. In jobs where repetitive sentences, paragraphs or even unusual terminology slow down input, this feature allows short-cut techniques on the simplest of keyboards. Changes in formats can also be effected throughout the copy automatically.

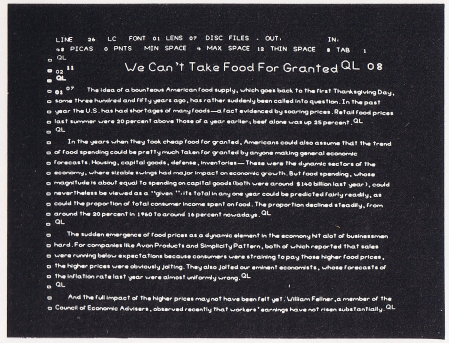
TABULATION

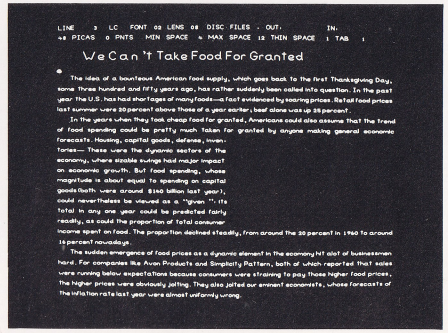
Tabular matter can be entered on the same basis as text matter to make the operator's job easier and much faster. Tabular matter is composed on a line-by-line basis. You can specify measure, quadding (left, right, center), justification and leadering, font and point size for each individual tab field. Multiple font and point sizes are allowed within a tab field. The display shows you a very close approximation to the finished job for visual verification. A cumulative count of the distance from the left margin in picas and points is also shown. For fast text editing, the cursor automatically jumps from one tab field to the next. Tab formats are also stored independent of text, expediting the production of similar tables.

HYPHENATION/JUSTIFICATION

Faster justification and more accurate hyphenation are possible with COMPOSER-1500. You can limit hyphenation and justification to a paragraph or even a single line. Then, viewing the results immediately, you can either approve or repeat the procedure until the desired result is achieved. On the same basis, interactive copy fitting is accomplished in a fraction of the time taken by other means. For example, you can develop square captions, let text flow around a swash initial and can look at a variety of column widths in minutes to determine the most effective fit *before* outputting any type from your phototypesetter.







Specifications

MINI-COMPUTER — IMLAC PDS SERIES:

Cycle Time
1.8 μ sec

Word Length
16 bits

Storage, core
16,384 words (16 K) (expandable to 32 K)

Instruction Set
Full general purpose including — Add, Sub, Boolean operators I/O, Display . . .

Disc Drive
Fixed & Removable Platter, up to 2 million characters data (1 drive with basic system, expandable to 4 drives)

DISPLAY

Size
17″ diagonal (21″ optional)

Capacity
1,000 characters (approx.), Files of indeterminate length may be accessed and viewed via scroll feature.

Character Set
120 standard, more or alternates optional

Font
Upper and Lower case
Bold and Italic intensified

Spacing
Proportional

Length
Maximum 48 pica line, justified

FUNCTIONS

Composer-1500 performs literally hundreds of functions. Only a representative sample is given here.

Tabbing
Formatting
Hyphenation
Justification
Quadding (center, right, left)
Ragged (right, left, center)
Text Editing
Command (typography) Editing
Disc Directory Update & Control
File Protection

INPUT OPTIONS
(User select 1 or more)

Paper Tape
6 to 8 level

Magnetic Tape
7 or 9 track, 800 BPI

Data Set or Modem
EIA RS232 compatible for remote telecommunication

OCR

Bar code or character reader, various mfrs. Consult factory

OUTPUT OPTIONS
(User select 1 or more)

Paper Tape
6 or 8 level, user option

Magnetic Tape
7 or 9 track, 800 BPI

Data Set or Modem
EIA RS232 compatible for remote telecommunication

Direct to Phototypesetter
Consult Factory

OPTIONAL FEATURES

Hardcopy Proof Capability
Nested Indent
Vertical Lead Count
Deferred Output
Batch Mode Justification

PERIPHERAL OPTIONS

Asynchronous Communications Interfaces
Synchronous Communications Interfaces
Parallel Interface to other computers
Magnetic Tape Drive
Additional Disc Drive (up to 4 drives per system)
Additional Work Stations (up to 4 work stations per system)

IMLAC is prepared to supplement this introduction to the COMPOSER-1500 system with more detailed information. The IMLAC Sales and Service organization provides excellent support for all COMPOSER installations. For immediate assistance, please contact any IMLAC Sales Office or call or write:

IMLAC CORPORATION, 150 A Street, Needham, Mass. 02194
Tel: (617) 449-4600 TWX: 710 325-1198

IMLAC® CORPORATION

BOSTON (617) 449-4600
NEW YORK (516) 466-8890
WASHINGTON, D.C. (301) 277-6127
CHICAGO (312) 654-1208
DAYTON (513) 254-0992
LOS ANGELES (213) 990-4244
SAN FRANCISCO (408) 245-9291
LONDON, ENGLAND (01) 903-7362

Specifications and Descriptions subject to change without notice. For firm proposal and quotation, consult factory.

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